

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Brooks, et al.

**Serial No.: 10/803,867**

**Confirmation No.: 5460**

**Filed: March 18, 2004**

**For: Multi-Step Process for Etching Photomasks**

www.pearsoned.com

**Group Art Unit: 1756**

**Examiner:** Unknown

**MAIL STOP AMENDMENT**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**CERTIFICATE OF MAILING**  
**37 CFR 1.8**

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12/15/2004                      B. G.H.  
Date                                      Signature

**Dear Sir:**

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The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

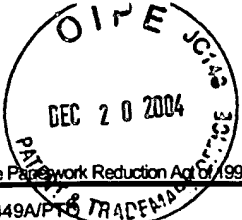
If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No.20-0782/AMAT/7681/BKH.

Respectfully submitted,



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Substitute for form 1449A/PTO

**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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**Complete if Known**

Application Number	10/803,867
Filing Date	March 18, 2004
First Named Inventor	Brooks, et al.
Art Unit	1756
Examiner Name	Unknown
Attorney Docket Number	AMAT/7681/MASK/MASK-TECH/ARNOLD S

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	A1	US-6,709,901	03/23/2004	Yamazaki et al.	
	A2	US-6,635,185	10/21/2003	Demmin et al.	
	A3	US-6,391,791	05/21/2002	Sasaki et al.	
	A4	US-6,307,265	03/14/2000	Mui et al.	
	A5	US-6,251,217	06/26/2001	Ye et al.	
	A6	US-6,214,637	04/10/2001	Kim et al.	
	A7	US-6,114,250	09/05/2000	Ellingboe et al.	
	A8	US-6,080,529	06/27/2000	Ye et al.	
	A9	US-6,033,979	03/07/2000	Endo	
	A10	US-6,007,732	12/28/1999	Hashimoto et al.	
	A11	US-5,994,235	11/30/1999	O'Donnell	
	A12	US-5,948,570	09/07/1999	Kornblit et al.	
	A13	US-5,861,233	01/19/1999	Sekine et al.	
	A14	US-5,773,199	06/30/1998	Linliu et al.	
	A15	US-5,750,290	05/12/1998	Yasuzato et al.	
	A16	US-5,538,816	07/23/1996	Hashimoto et al.	
	A17	US-4,600,686	07/15/1986	Meyer et al.	
	A18	US-4,504,574	03/12/1985	Meyer et al.	
	A19	US-4,406,733	09/27/1983	Tachi et al.	
	A20	US-4,350,563	09/21/1982	Takada et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	B1	DE 27 01 458	01/14/1977	Sato et al.		
	B2	EP 0 978 870	02/09/2000	Sasaki et al.		
	B3	EP 0 999 472	05/10/2000	Sasaki et al.		
	B4	JP 11-131263 (English abstract)	05/18/1999	Shusaku		X
	B5	JP 2001-33940 (English abstract)	06/10/2003	Yong-Hoon		X
	B6	JP 60 016422 (English abstract)	01/28/1985	Hidefumi et al.		X
	B7	JP 60 219748 (English abstract)	11/02/1985	Kazuhiro et al.		X
	B8	JP 62 181433 (English abstract)	08/08/1987	Kazuhiro et al.		X
	B9	WO 00/67281	11/09/2000	Pong		

Examiner  
SignatureDate  
Considered

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**Complete if Known**

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<i>Examiner Name</i>	Unknown
<i>Attorney Docket Number</i>	AMAT7681/MASK/MASK-TECH/ARNOLD S

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

[illegible]

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Sheet 3 of 3

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	PCT International Search Report from International Application No. PCT/US02/27869, Dated 23 December 2002. (AMAT/6399PCT).	
	C2	PCT Search Report for PCT/US03/11549, dated February 19, 2004 (AMAT/6991.PCT).	
	C3	KWON, ET AL., "Loading Effect Parameters at Dry Etcher System and Their Analysis at Mask-to-Mask Loading and Within-Mask Loading" Proceedings of SPIE, Vol. 4562 (2002) pp. 79-87.	
	C4	FUJISAWA, ET AL. "Evaluation of NLD Mask Dry Etching System" SPIE Symposium on Photomask and X-Ray Technology VI, Yokohama, JAPAN, September (1999) Vol. 3748 pp. 147-152.	
	C5	RUHL, ET AL. "Chrome Dry Etch Process Characterization Using Surface Nano Profiling" Proceedings of SPIE, Vol. 4186 (2001) pp. 97-107.	
	C6	AOYAMA, ET AL. "Advanced Cr Dry Etching Process" SPIE Symposium on Photomask and X-Ray Technology VI, Yokohama, JAPAN, September (1999) SPIE, Vol. 3748 pp. 137-146.	

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